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REMARKS

Thank you for considering my application. In this filing, you will find that the claims have been amended to overcome 35 U.S.C. 103(a). The claims have been amended to further distinguish them from the prior art suggested in the office action.

The applicant stipulates that the system is designed so that the input symbols differ from the output character/symbol. For instance, if the user is using Palm graffiti, in order to achieve the character "A", the user inscribes an inverted "V", and in order to achieve a "T" the user inscribes an upside down capital L. The user may use any symbol set other than Palm. This feature differs from Persidsky because in Persidsky, a user would have to inscribe an input "A" in order to achieve an output "A".

The specifications disclose this feature in the following areas:

- 1- The title includes: "... handwriting input device using graffiti ...". Graffiti is known as a symbol set that corresponds to the alphabet but that may be different from the alphabet
- 2- The detailed description of Fig3 [0038] has the following: "Next, processor correlates graffiti symbols to letters, numbers and symbols, and identifies written symbols in step 44. Finally, processor 2 sends the symbols to the receiving device using transmitter 26 and antenna 14 in step 46"
- 3- Claims 1-5

The applicant stipulates that the invention differs from Chery et al and Lewis et al. because it requires that both a receiver and transmitter or transceiver should be present in both the pen and the second device. In Chery and Lewis, the pen/transcription system possesses only a transmitter while the host computer possesses a receiver.

The specifications disclose this feature in the following areas:

- 1- The title includes: "... using graffiti and Bluetooth ...". Bluetooth standards require a transmitter and receiver or transceiver on both ends of a communication link

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2- The detailed description of Fig3 has the following: "processor tries to establish a wireless connection with a receiving device in step 36. If a connection cannot be established..."

3- Claims 1, 8, 10

To establish a connection, a processor must send a connection request through a transmitter / transceiver to the other system, and await a response message through a receiver / transceiver. If the processor does not receive a response, or receives a negative response message, it cannot establish a connection. If the processor receives an acknowledgement and connection parameters, it is capable to establish a wireless communication.

In response to the examiner's remark that Lewis (column 4, 42-58) indicates that Lewis uses a similar handshake protocol as the inventor's, the inventor contends that Lewis' handshake protocol does not use a receiver on the pen. This is specified in (column 7, 3-6):

"Other types of communication protocols, such as a "hand-shake" type of protocol, may also be selected by appropriate programming of the general purpose processor and/or transmitter."

Finally, another differentiation from Persidsky, Chery and Lewis is that the wireless handwriting input system automatically establishes a connection on activation of the system and on start of writing, whereas the prior art does not teach a method for automatically transferring data.

The specifications disclose this feature in the following areas:

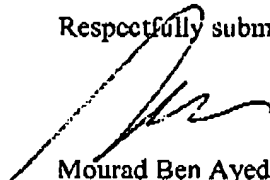
- 1- [0031] "The graffiti are automatically analyzed, and symbols are displayed on the receiving device"
- 2- [0038] "Upon receipt of a user indication through activation button 12 in step 32, some components of the wireless stylus wake up in step 34 and processor 20 tries to establish a wireless connection with a receiving device in step 36."
- 3- Claim 1

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Therefore, it is respectfully submitted that the amendment to the specification and claims is proper, and entry is respectfully requested.

Respectfully submitted,



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APPENDIX A

1. (twice amended) A method for converting one or more symbols to a character using a wireless electronic stylus, said symbols may be different from said character [input of handwriting], comprising:

[holding a wireless electronic stylus;

pushing a button;

performing movements in the air that correspond to graffiti symbols;

said electronic stylus establishes]

establishing a wireless connection with a second [receiving] device using a

transceiver or a combination of a transmitter and a receiver means;

on performing movements using said wireless electronic stylus that correspond to said symbols;

[said electronic stylus gets]

getting output from accelerometers [and identifies graffiti symbols];

correlating accelerometer output to reference acceleration sequences

characterizing each set of symbols and corresponding character;

identifying a character;

sending said character [said electronic stylus sends identified data] wirelessly to said second [receiving] device.

2. (twice amended) The method of claim 1 whereby establishing a wireless connection with a second device occurs on activation of said wireless electronic stylus [further comprising:

getting acceleration sequences characterizing each of a plurality of graffiti symbols from memory;

correlating accelerometer output to said acceleration sequences;

identifying graffiti symbols].

3. (twice amended) The method of claim 1 [2] further comprising:

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displaying identified [correlating graffiti] symbols on said second device [to letters].

4. (twice amended) The methods of claims 1 [3 further comprising:] whereby said symbols correspond to Palm [correlating] graffiti symbols [to numbers].

5. (twice amended) A [The] method [of claim 4 further comprising: correlating graffiti symbols to symbols] for converting one or more symbols to a character using a wireless electronic stylus, said symbols may be different from said character, comprising:

establishing a wireless connection with a second device using a transceiver or a combination of a transmitter and a receiver means;
on performing movements using said wireless electronic stylus that correspond to said symbols;

getting output from accelerometers;

sending said output from accelerometers to said second device wirelessly;
said second device:

gets accelerometer output wirelessly;

correlates said accelerometer output to reference acceleration sequences

characterizing each set of symbols and corresponding character;

identifies said character;

displays said character on said second device.

6. (twice amended) The method of claim 5 whereby establishing a wireless connection with a second device occurs on activation of said wireless electronic stylus [further comprising:
displaying identified symbols].

7. (twice amended) The methods of claims 5 [1 where graffiti corresponds to PalmPilot] whereby said symbols correspond to Palm graffiti symbols [set].

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8. (twice amended) A method for [input of handwriting] converting symbols to characters using a wireless electronic stylus, said symbols may be different from said characters, comprising:

[holding a wireless electronic stylus;

pushing a button;

performing movements in the air that correspond to graffiti symbols;

said electronic stylus establishes]

establishing a wireless connection with a second device using a transceiver or a

combination of a transmitter and a receiver means [receiving device];

on performing movements using said wireless [said] electronic stylus that correspond to said symbols;

[gets] getting output from accelerometers;

[said electronic stylus sends said output from accelerometers to said receiving device;

said receiving device doing the followings:

getting]

correlating accelerometer output to reference acceleration sequences

characterizing each [of a plurality of graffiti] set of symbols and

corresponding characters [from memory];

identifying characters;

sending characters wirelessly to said second device

[correlating accelerometer output to said acceleration sequences;

identifying graffiti symbols;

correlating graffiti symbols to letters, numbers, and other symbols].

9. (twice amended) Apparatus for converting handwritten symbols to characters,
comprising:

a stylus comprising:

accelerometers means for capturing handwritten symbols;

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memory means for storing a collection of reference acceleration sequences characterizing each set of symbols and corresponding characters;
processor means for identifying characters;
transceiver means or a combination of a transmitter and receiver means for establishing a wireless connection with a second device and sending characters
[the methods of claims 8 where graffiti corresponds to PalmPilot graffiti set].

10. (twice amended) The Apparatus of claim 9 whereby said communication means is BlueTooth

[for input of handwriting, comprising:

a wireless stylus fitted with accelerometers and a communication means for establishing a wireless connection with an external device, and containing a database of acceleration sequences characterizing each of a plurality of graffiti symbols].